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RAW SEQUENCE LISTING

DATE: 09/16/2004

PATENT APPLICATION: US/10/728,486B

TIME: 11:27:56

Input Set : A:\IBIS0060-100(DIBIS-0012US.P1).SEQ2.txt

Output Set: N:\CRF4\09162004\J728486B.raw

4 <110> APPLICANT: Ecker, David J.
 5 Griffey, Richard H.
 6 Sampath, Rangarajan
 7 Hofstadler, Steven
 8 McNeil, John
 9 Crooke, Stanley T.
 12 <120> TITLE OF INVENTION: METHODS FOR RAPID FOR IDENTIFICATION OF PATHOGENS IN HUMANS
 AND ANIMALS
 14 <130> FILE REFERENCE: IBIS0060-100 (DIBIS-0044US)
 16 <140> CURRENT APPLICATION NUMBER: US/10/728,486B
 17 <141> CURRENT FILING DATE: 2003-12-05
 19 <150> PRIOR APPLICATION NUMBER: 60/431,319
 20 <151> PRIOR FILING DATE: 2002-12-06
 22 <150> PRIOR APPLICATION NUMBER: 10/323,233
 23 <151> PRIOR FILING DATE: 2002-12-18
 25 <150> PRIOR APPLICATION NUMBER: 10/326,051
 26 <151> PRIOR FILING DATE: 2002-12-18
 28 <150> PRIOR APPLICATION NUMBER: 10/325,527
 29 <151> PRIOR FILING DATE: 2002-12-18
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 34 <150> PRIOR APPLICATION NUMBER: 60/443,443
 35 <151> PRIOR FILING DATE: 2003-01-29
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 38 <151> PRIOR FILING DATE: 2003-01-30
 40 <150> PRIOR APPLICATION NUMBER: 60/447,529
 41 <151> PRIOR FILING DATE: 2003-02-14
 43 <150> PRIOR APPLICATION NUMBER: 60/501,926
 44 <151> PRIOR FILING DATE: 2003-09-11
 46 <160> NUMBER OF SEQ ID NOS: 377
 48 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 53 <213> ORGANISM: Artificial Sequence
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 82 1293-1304, 1306-1311, 1313-1322, 1324, 1326, 1329, 1330-1338, 1341,
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85 <223> OTHER INFORMATION: n = A,U,C or G

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 W--> 90 cnnnnnnnnnn nggnananann nnnngaaann nnnnnnaaacc nnnnnnnnnnn nnnnnnnnaaa 180
 W--> 91 gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng annnnnnnnnn gnnnnnanagn ngggngggaa 240
 W--> 92 nggcnnacca agncnnngan nnnagcngnn cgagaggngg nncngccaca nggnacgaga 300
 W--> 93 nacggncan acccacggga ggcagcagnn ggaannnnca aggnngnaan ncgannnagc 360
 W--> 94 nannccgcgg nnngangang gnnnnngnng aaannncnnn nnnnnnganga nnnnnnnnnnn 420
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 W--> 97 nnnngnnnnn gnaaannnnn nngcnaacnn nnnnnnnncn nnnnnnacnn nnnnncngag 600
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 W--> 101 nannnaacg nnaannnnnn ccgcggggga gacgnncgca agnnnaaacc aaangaagac 840
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 W--> 103 cnnnnnnnnnn nnnnnnnngan annnnnnnnn nnnnnnnnnnn nnnnnnnnac agggngcagg 960
 W--> 104 ngcgagccg gngggagngg ggaagccgn aacgagcgca accnnnnnnn nnnngcncnc 1020
 W--> 105 nnnnnnnnnng ngnaccnnnn nnnacgcnn ngnaannng gaggaaggng gggangacgc 1080
 W--> 106 aancncagnc ccangnnnnng ggcncacacn ncacaaggnn nnnacanngn gngcnnannn 1140
 W--> 107 ngnnannnnn agcnaancnn nnaannnnnn cnnagncgga ngnnnnncgca accgnnnnnn 1200
 W--> 108 gaagnnggan cgcagaacgn nnacagnang nnnccggaaa cgcncgggnc gacacaccgc 1260
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113 <210> SEQ ID NO: 2

114 <211> LENGTH: 2654

115 <212> TYPE: RNA

116 <213> ORGANISM: Artificial Sequence

118 <220> FEATURE:

RAW SEQUENCE LISTING

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Input Set : A:\IBIS0060-100(DIBIS-0012US.P1).SEQ2.txt

Output Set: N:\CRF4\09162004\J728486B.raw

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158 2014, 2016-2029, 2034-2044, 2046, 2048-2056, 2061, 2063-2065, 2067, 2068,
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Input Set : A:\IBIS0060-100(DIBIS-0012US.P1).SEQ2.txt

Output Set: N:\CRF4\09162004\J728486B.raw

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175 <223> OTHER INFORMATION: n = A,U,C or G

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W--> 178 nnnnaagnnn nnaagngnnn ngggggagcc nggcnnnnnn agncgangaa ggangnnnnn 60
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 W--> 180 accnnnnnn nnnnnnnnn nnannnnnn nnnnnnnnn nnnnnnnnn ngnnnacnnn 180
 W--> 181 ngaangaaa cacnagann nnaggaanag aaannaann ngancnnng agnggcgagc 240
 W--> 182 gaannngnan nagnnnnnnn nnnnnnnnn nnnnnnnnn anngaannn nggnaagnn 300
 W--> 183 nnnnnnnann nggnanann cngannnaa annnnnnnnn nnnnnnnnn nnnnagannn 360
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 W--> 186 gnnccgaaac cnnnnncnan aannngnnna gnnnnnnnn nnnngannng cgnccgnann 540
 W--> 187 agnnncngng annnnnnnnn ngcnagnaann nnnnnnnngn agncgnagng aaancgagnn 600
 W--> 188 naannngcg nnnagnnnnn gnnnnagacn cgaancnnng gancannnag nncaggngaa 660
 W--> 189 gnnnnngaann annnnggag gncggaacnn nnnnnnggaa aannnnngg agannggnnn 720
 W--> 190 gnggngaaan ncnanncnaa cnnngnnaag cggccnncga aannnnaggn nnnngcnnnn 780
 W--> 191 nnnnnnnnn nggnggagag caggnnnnn nnnngggnnn nnnnnnnna cnaannnnn 840
 W--> 192 nnaaacnca anccnnnnnn nnnnnnnnn gnagnnann nngngngna anncnnngn 900
 W--> 193 nanagggnaa ancccgann cncnnnaag gncccnaann nnnnnnaagg gnaaangang 960
 W--> 194 gnnnnncnn anacannnag gangggcaga agcagccanc nnaaaganng cgaanagcca 1020
 W--> 195 cncnagnnn nnnngcgng annanacgg gncanannnn nnnccgaann nnnngnnnnn 1080
 W--> 196 nnnnnnnnn nnnnnngga gngagcggn nnnnnnnnn ngaagnnnnn nngnnannnn 1140
 W--> 197 nnnggannnn nnnnnagng nagnngnnan agancgann nnnnggana nncnnnnncn 1200
 W--> 198 ccgnannncn aaggncnnn nnnangnnnc nnnnnngggn agcgnnncca agngagncn 1260
 W--> 199 ganangnnag nngaggnnan nggnaaacc nnnacnnnn nnnnnnnnn nnnnnngacg 1320
 W--> 200 nnnnnngnn nnnnnnnnn nnnngggnn nnnnnnnnn nnnnnnnnn nnnnnnnnn 1380
 W--> 201 nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn 1440
 W--> 202 nnnnnnnnn nnnnnncnga aaannnnnn nnnnnnnnn nnnnnnnnn cgaccnaaaa 1500
 W--> 203 ccgacacagg ngnnngngng agnanncnna ggngnnngnn nnaannnnnn nnaaggaacn 1560
 W--> 204 ngcaaannnn nccganccgg nanaaggnnn ncnnnnnnnn nnnnnnnnn nnnnnnnnn 1620
 W--> 205 nnnnnnnnn nnnngnnnan nnannngnn nnnncnacga nnaaaaacac agnncnngcn 1680
 W--> 206 aanncgnaag nngangaang gngacnccg ccngggcngg aaggaanngn nnnnnnnngn 1740
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 W--> 209 ncngngaann nannnnngna agagcnnnn cncgcnnnn gacggaaaga ccccnngnan 1920
 W--> 210 cacnnannnn nnangnnnnn nnnnnnnnn gnagnaagg nggagncnn gannnnnnnn 1980
 W--> 211 cgnnagnnnn nnnnggagncn nnnngnnaac nacnccccn nnnnnnnnc aacnnnnnn 2040
 W--> 212 nnnnancnn nnnnnngaca ngnnngngg gnagnacgg gcggncccc naaanngaac 2100
 W--> 213 ggaggngnnc naaggnnncn annnnggng gnnacnnnn nnnagnnaan ngnanaaggn 2160
 W--> 214 ngcnnacggn agnnnnacnn nncgagcagn nncgaaaggn ggnnnaggac cggngggnnn 2220
 W--> 215 nnggaagngc cncgccaacg gaaaaagnac ncnggggaaa caggcnann ncccaagagn 2280
 W--> 216 canacgacgg nnnngggcac ccgagcgcc ncncaccgg gcnagnngg cccaagggnn 2340
 W--> 217 ggcgcgccnn aaagnggnac gngagcggn anaacgcgga gacagnggcc cacngngng 2400
 W--> 218 ngngnnngan nngannngnn ngnncnagac gagaggacc gnnngnacnn ancncgggn 2460
 W--> 219 ncnggnngc canngcann gcngnagca nnnnggnnn gaaanngcga angcacaagn 2520
 W--> 220 nngaancnn cnnnagann agnnncnncn nnnnnnnnn nnnnnnnnag nncnnnnna 2580
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227 <213> ORGANISM: Artificial Sequence
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230 <223> OTHER INFORMATION: Primer
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240 <220> FEATURE:
241 <223> OTHER INFORMATION: Primer
243 <400> SEQUENCE: 4
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247 <211> LENGTH: 13
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Primer
254 <400> SEQUENCE: 5
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259 <212> TYPE: RNA
260 <213> ORGANISM: Bacillus anthracis
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR Primer
W--> 265 <221> NAME/KEY: misc_feature
W--> 266 <222> LOCATION: 20
267 <223> OTHER INFORMATION: n = A, U, C or G
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276 <213> ORGANISM: Bacillus cereus
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283 <211> LENGTH: 30
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/728,486BDATE: 09/16/2004
TIME: 11:27:57Input Set : A:\IBIS0060-100(DIBIS-0012US.P1).SEQ2.txt
Output Set: N:\CRF4\09162004\J728486B.rawPlease Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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L:87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:420
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:480
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:540
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:600
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:660
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:720
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:780
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:840
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:900
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:960
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1020
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1080
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1140
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1200
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1260
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1320
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1380
L:122 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:177 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:300
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:360
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:420
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:540
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:600
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:660
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:720
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:780
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:840
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:900
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:960
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1020
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1080
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1140

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L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1200
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1260
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1320
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1380
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1440
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1500
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1560
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1620
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1680
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1740
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1800
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1860
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1920
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1980
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2040
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2100
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2160
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2220
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2280
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2340
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2400
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2460
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2520
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2580
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2640
L:265 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:266 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0